

IN THE UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF DELAWARE

SYNOPSYS, INC., a Delaware	)	
corporation,	)	
	)	
Plaintiff,	)	
	)	
v.	)	C.A. No. 05-701 (GMS)
	)	
MAGMA DESIGN AUTOMATION,	)	
INC., a Delaware corporation,	)	
	)	
Defendant.	)	

**JOINT APPENDIX OF INTRINSIC AND EXTRINSIC EVIDENCE**

**(VOLUME 1 of 2)**

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Synopsys v. Magma Design Automation  
U.S.D.C. Del. Case No. 05-701 GMS

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<b><u>Tab</u></b>	<b><u>Description</u></b>	<b><u>Party Citing</u></b>	<b><u>Page(s)</u></b>
1	U.S. Patent No. 6,192,508	Synopsys, Inc. Magma Design Automation, Inc.	A-1 – A-9
2	Amendment Under 37 C.F.R. § 312, dated March 6, 2000 in the '508 Patent Prosecution History	Synopsys, Inc.	A-10 – A-14
3	Response to Rule 312 Communication dated May 9, 2000, in the '508 Prosecution History	Synopsys, Inc.	A-15 – A-16
4	The American Heritage Dictionary of the English Language, p. 1095 (William Morris, ed., Houghton Mifflin Co., 1976)	Synopsys, Inc.	A-17 – A-21
5	The American Heritage Dictionary of the English Language, p. 758 (William Morris, ed., Houghton Mifflin Co., 1976)	Synopsys, Inc.	A-22 – A-26
6	Application-Specific Integrated Circuits, Michael John Sebastian Smith, copyright 1997 by Addison Wesley Longman, Inc. pp. 873-893	Synopsys, Inc.	A-27 – A-50
7	The American Heritage Dictionary of the English Language, p. 35 (William Morris, ed., Houghton Mifflin Co., 1976)	Synopsys, Inc.	A-51 – A-55
8	U.S. Patent No. 6,519,745 B1	Synopsys, Inc. Magma Design Automation, Inc.	A-56 – A-69
9	Response to Office Action of June 14, 2002	Magma Design Automation, Inc.	A-70 – A-75
10	The American Heritage College Dictionary, Fourth Edition, p. 301 (Houghton Mifflin Co., 2002)	Synopsys, Inc.	A-76 – A-79
11	Magma Glossary at GL-6 (MAG0021251-MAG0021252)	Synopsys, Inc.	A-80 – A-80.01
12	Magma Glossary at GL-42-43 (MAG0021287-MAG0021288)	Synopsys, Inc.	A-81 – A-82
13	Magma Methodology Plan: Goals, Methodology and Design Flow (MAGMA0123222-MAGMA0123251)	Synopsys, Inc.	A-83 – A-112

<b><u>Tab</u></b>	<b><u>Description</u></b>	<b><u>Party Citing</u></b>	<b><u>Page(s)</u></b>
14	Magma Bucket Equalization: Purpose, Ins and Outs, Approaches (MAGMA0140192-MAGMA0140197)	Synopsys, Inc.	A-113 – A-118
15	U.S. Patent No. 6,230,304 B1	Synopsys, Inc.	A-119 – A-155
16	U.S. Patent No. 6,453,446 B1	Synopsys, Inc.	A-156 – A-182
17	Michael J.S. Smith, <u>Application-Specific Integrated Circuits</u> 859-861 (1997)	Synopsys, Inc.	A-183 – A-188
18	U.S. Patent No. 6,618,846 B2	Synopsys, Inc.	A-189 – A-215
19	U.S. Patent No. 6,857,116 B1	Synopsys, Inc.	A-216 – A-256
		Magma Design Automation, Inc.	
20	Amendment and Response to Office Action of February 3, 2003	Magma Design Automation, Inc.	A-257 - A-261
21	Office Action of April 28, 2003	Magma Design Automation, Inc.	A-262 – A-269
22	U.S. Patent No. 6,854,093 B1	Synopsys, Inc.	A-270 – A-309
		Magma Design Automation, Inc.	
23	August 17, 2004 Amendment and Response	Magma Design Automation, Inc.	A-310 – A-351
24	File History for US Patent No. 6,192,508	Magma Design Automation, Inc.	A-352 – A-459
25	Chang, et al., “Physical Hierarchy Generation with Routing Congestion Control,” ISPD 2002	Magma Design Automation, Inc.	A-460 – A-465
26	U.S. Patent No. 5,847,965	Magma Design Automation, Inc.	A-466 – A-478
27	U.S. Patent No. 6,442,743	Magma Design Automation, Inc.	A-479 – A-493
28	“Limit: 2 a: to set bounds or limits to: CONFINE.” <i>Webster’s New Collegiate Dictionary</i> (1981)	Magma Design Automation, Inc.	A-494 – A-504
29	“Bound: 1 a: a limiting line.” <i>Webster’s New Collegiate Dictionary</i> (1981)	Magma Design Automation, Inc.	A-505 – A-511
30	<u>Compact Oxford English Dictionary</u> 1 a point beyond which something does may or may not pass	Magma Design Automation, Inc.	A-512
31	<u>American Heritage Dictionary</u> 1. The point, edge, or line beyond which something cannot or may not proceed.	Magma Design Automation, Inc.	A-513 – A-514
32	U.S. Patent No. 6,099,580	Magma Design Automation, Inc.	A-515 – A-527
33	“Application –Specific Integrated Circuits,” Michael John Sebastian Smith, 1997, Ch.	Magma Design Automation, Inc.	A-528 – A-586

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34	Mitsuhashi et al., "Physical Design CAD in Deep Sub-Micron Era, 1996, Euro-DAC '96	Magma Design Automation, Inc.	A-587 – A-606
35	Aoki, T., "Fanout-tree Restructuring Algorithm for Post-Placement Timing Optimization" 1995	Magma Design Automation, Inc.	A-607 – A-622
36	Notice of Allowability for U.S. Patent No. 6,519,745	Magma Design Automation, Inc.	A-623 – A-625
37	<u>Algorithms for VLSI Physical Design Automation</u> , Third Edition, pp. 225-226, 236-237	Magma Design Automation, Inc.	A-626 – A-632
38	Kyung, et al., "An Evolutionary Strategy for the Global Placement of Macro Cells", IEEE 1990	Synopsys, Inc.	A-633 – A-636
39	Quinn, et al., "A Forced Directed Component Placement Procedure for Printed Circuit Boards", IEEE 1979	Synopsys, Inc.	A-637 – A-648
40	Yang, et al., "HALO: An Efficient Global Placement Strategy for Standard Cells", IEEE 1990	Synopsys, Inc.	A-649 – A-652
41	Goto, S., "An Efficient Algorithm for the Two-Dimensional Placement Problem in Electrical Circuit Layout", IEEE 1981	Synopsys, Inc.	A-653 – A-659
42	Hartoog, M., "Analysis of Placement Procedures for VLSI Standard Cell Layout", IEEE 1986	Synopsys, Inc.	A-660 – A-665
43	Wipfler, et al., "A Combined Force and Cut Algorithm for Hierarchical VLSI Layout", IEEE 1982	Synopsys, Inc.	A-666 – A-672
44	Antreich, et al., "A New Approach for Solving the Placement Problem Using Force Models", IEEE 1982	Synopsys, Inc.	A-673 – A-678
45	Quinn, N., "The Placement Problem as Viewed from the Physics of Classical Mechanics", General Dynamics Corporation, Pomona, California	Synopsys, Inc.	A-679 – A-684
46	Goto, et al., "Partitioning, Assignment and Placement", C&C Research Labs, NEC Corporation, Kawasaki 213, Japan	Synopsys, Inc.	A-685 – A-727

<b><u>Tab</u></b>	<b><u>Description</u></b>	<b><u>Party Citing</u></b>	<b><u>Page(s)</u></b>
47	<u>Algorithms for VLSI Physical Design Automation</u> , pp. 159-203	Synopsys, Inc.	A-728 – A-804
48	<u>The Chicago Manual of Style</u> , Fourteenth Edition, pp. 195-196	Magma Design Automation, Inc.	A-805 – A-809
49	<u>The Gregg Reference Manual</u> , Seventh Edition, pp. 141-142	Magma Design Automation, Inc.	A-810 – A-813
50	Sechen, et al., “The TimberWolf Placement and Routing Package”, IEEE 1985	Synopsys, Inc.	A-814 – A-826

CERTIFICATE OF SERVICE

I, the undersigned, hereby certify that on November 17, 2006 I electronically filed the foregoing with the Clerk of the Court using CM/ECF which will send notification of such filing to William J. Marsden, Jr.

I further certify that on November 17, 2006 I caused that copies of the foregoing be served on the following counsel in the manner indicated:

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